

STIC Database Tracking Number:

To: NEAL SEREBOFF
Location: 5A45
Art Unit: 3600
Date: May 4, 2011
Case Serial Number: 10/799,042

From: Sylvia Keys
Location: EIC3600
KNX 4B59
Phone: (571) 272-3534
sylvia.keys@uspto.gov

Search Notes

Dear Examiner-

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog, the Internet and EBSCO HOST.

I have listed *potential* references of interest in the first part of the search results. However, please be sure to scan through the entire report. There may be additional references that you might find useful.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

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I. Potential References of Interest

A. Dialog

22/3,K/8 (Item 2 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
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25276400 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Misys Healthcare Systems Announces Major Agreement with the North Western
Health Board
BUSINESS WIRE
October 02, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 813

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Systems products, including Misys Laboratory and CoPathPlus from
Misys. Misys Ad Hoc Report Writer delivers business intelligence with
sophisticated enterprise reporting built on a scalable,
multi-tier architecture. Users can
access information from virtually any source, analyze the data through
intuitive ad hoc query and multi-dimensional tools, and then distribute the
...

... and enviable employee retention rate. About Misys Healthcare Systems
Misys Healthcare Systems is a division of Misys plc -- one of the world's
largest independent **applications software** products company. Misys Healthcare Systems is
among the top five
healthcare IT companies in the United States. The company designs,
develops , and supports a comprehensive suite of
information products for hospitals, commercial laboratories, physician
practices and home care providers that serve the healthcare IT industry's
...

... s products and services. For more information, visit
www.misyshealthcare.com . About Misys plc Misys plc is one of the world's
leading suppliers of **software** products. Misys
develops and licenses a variety of
software products to customers in the international
banking and securities, US healthcare, and UK retail financial services
sectors. The group partners with its customers to deliver...

22/3,K/6 (Item 5 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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06384022 Supplier Number: 54782898 (USE FORMAT 7 FOR FULLTEXT)
University Hospital Selects MicroMed for Enterprisewide Physician Network.
Business Wire, p0082
June 3, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 668

... Systems. "Our distributed system is a highly scalable, true 32-bit, multi-tier system built from the ground up as an enterprise solution. Our sophisticated **applications** will enable University Hospital to operate efficiently and share information effectively throughout the organization."

Greg Flynn, executive vice president of Quality Systems, said: "This agreement...

22/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
(c) 2011 Gale/Cengage. All rights reserved.

09387533 Supplier Number: 82268707 (USE FORMAT 7 FOR FULLTEXT)
Algotec Debuts Revolutionary Web-Based Primary Reading Station; MediSurf Version 4 Introduced at HIMSS.
Business Wire, p2747
Jan 28, 2002
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 447

... based image and data access and display engine, MediStore - a multi media, multi tier archiving system, MediFlow - image management software, MediLink - a configurable interface to **healthcare information systems**, Med-e-Mail - an automatic email reporting system of key images and reports to referring physicians, and CD-Surf - a self playing, soft copy (CD...

22/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9: Business & Industry(R)
(c) 2011 Gale/Cengage. All rights reserved.

01472278 Supplier Number: 23758413 (USE FORMAT 7 OR 9 FOR FULLTEXT)
HEALTHCARE INFORMATION SYSTEMS - CLINICAL REPOSITORY SYSTEMS
(The market for clinical repository systems is in an early stage, with a significant number of vendors currently offering or developing competitive versions of the systems)
Medical & Healthcare Marketplace Guide, p N/A
January 1997
DOCUMENT TYPE: Journal; Industry Overview (United States)

LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 688

ABSTRACT:

...responsiveness to competitive and regulatory changes in the healthcare market. The development of CPR systems has been enabled by advances in information technology such as **multi-tiered** client-server architectures, relational database management systems, data warehousing, object-oriented design and standard query language. The market for clinical repository systems is in an...

...currently offering or developing competitive versions of clinical repository systems. These vendors include not only existing clinical information systems suppliers, but other vendors throughout the **healthcare information systems** industry, such as suppliers of practice management systems.

22/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
(c) 2011 Gale/Cengage. All rights reserved.

09761356 Supplier Number: 85499651 (USE FORMAT 7 FOR FULLTEXT)
Algotec Introduces Imaginet Lite PACS for Low-Volume Imaging Facilities at SCAR; Innovative Turnkey Solution offers Advanced Function at Affordable Price.

Business Wire, p2756

May 7, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 804

... image and data access and display engine, MediStore - a multi media, multi tier archiving system, MediFlow - image management software, MediLink - a configurable interface to other **hospital information systems** such as **healthcare information systems** (HIS), Med-e-Mail - an automatic email reporting system of key images and reports to referring physicians, and CD-Surf - a self playing, soft copy...

II. Inventor Search Results from Dialog

23/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2011 Thomson Reuters. All rights reserved.

0015306793 - Drawing available
WPI ACC NO: 2005-656975/200567
XRPX Acc No: N2005-538231

Health care information development system for health care institution, has tiers each composed of software component and interacts with next tier, and higher tier providing programming interfaces for development of software

Patent Assignee: ACHAN P P (ACHA-I)

Inventor: **ACHAN** P P

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20050203771	A1	20050915	US 2004799042	A	20040311	200567 B

Priority Applications (no., kind, date): US 2004799042 A 20040311

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20050203771	A1	EN	34	16		

Original Titles:

System and method to develop **health-care information systems**

Inventor: **ACHAN** P P

Alerting Abstract ...ADVANTAGE - The system provides multiple tiers that are accurate and dependable updated **health care information** in real-time, resilient to changes in business and legal requirements, adaptable and extensible with organizational needs, while providing disaster recovery, with relative ease...

Original Publication Data by Authority

Argentina

Assignee name & address:

Inventor name & address:

Achan, Pradeep Padmakshan...

Examiner:

Original Abstracts:

A method of and a system for development of **health care information Systems (HIS) are**

disclosed. The method includes providing software programming interfaces for development of application modules, communication interfaces for establishing communication between various modules, and resource management interfaces for allocation...

Claims:

1. A system for development of **information**

systems for health

care comprising of

a server with a middleware operating

system stratified as multiple tiers, each tier composed of software components, wherein software components in one tier interact only with those in the next tier and the higher tiers provide Application Programming Interfaces (API) for development of application software for

health care

information systems

while the lower

tiers provide functions of storing, monitoring, communication, securing, management, backup, and recovery of health care information that guarantees Quality of Service (QoS) requirements of security, privacy...

III. Abstract Files from Dialog

A. All Databases

File 5: Biosis Previews(R) 1926-2011/Apr W4
(c) 2011 The Thomson Corporation

File 73: EMBASE 1974-2011/May 04
(c) 2011 Elsevier B.V.

File 155: MEDLINE(R) 1950-2011/May 02
(c) format only 2011 Dialog

File 34: SciSearch(R) Cited Ref Sci 1990-2011/Apr W4
(c) 2011 The Thomson Corp

File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

File 2: INSPEC 1898-2011/Apr W4
(c) 2011 The IET

File 35: Dissertation Abs Online 1861-2011/Mar
(c) 2011 ProQuest Info&Learning

File 65: Inside Conferences 1993-2011/May 04
(c) 2011 BLDSC all rts. reserv.

File 99: Wilson Appl. Sci & Tech Abs 1983-2011/Mar
(c) 2011 The HW Wilson Co.

File 474: New York Times Abs 1969-2011/May 04
(c) 2011 The New York Times

File 475: Wall Street Journal Abs 1973-2011/Feb 14
(c) 2011 The New York Times

File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage

File 256: TecTrends 1982-2011/Mar W4
(c) 2011 Info.Sources Inc. All rights res.

File 347: JAPIO Dec 1976-2011/Jan(Updated 110427)

(c) 2011 JPO & JAPO
 File 350: Derwent WPIX 1963-2011/UD=201127
 (c) 2011 Thomson Reuters
 File 371: French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	54165	(HEALTHCARE OR HEALTH())(CARE OR HOSPITAL OR HOSPITALS)(5N)(- INFORMATION())(SYSTEM OR SYSTEMS))
S2	9663	S1(5N)(MANAGEMENT OR MANAGE OR MANAGES OR MANAGING)
S3	477	MIDDLEWARE(5N)(DEVELOP OR DEVELOPS OR DEVELOPING)
S4	1034771	S3 OR (INTERNET())(PROTOCOL? ? OR IP)
S5	520	S3 OR (SOFTWARE())(PROGRAMMING())(INTERFACE? ?)
S6	15809333	S3 OR (SOFTWARE OR APPLICATION OR APPLICATIONS OR COMPONENT OR COMPONENTS)
S7	4227	S3 OR (APPLICATION? ?())(MODULE? ?)
S8	23316	S3 OR MIDDLEWARE
S9	11815067	S3 OR (DEVELOP OR DEVELOPS OR DEVELOPING OR DEVELOPMENT)
S10	5039	(MULTI OR MULTIPLE OR MANY OR NUMEROUS OR SEVERAL())(TIER - OR TIERS OR TIERED)
S11	2843	(HIGHER OR LOWER)(5N)(TIER OR TIERS OR TIERED)
S12	568	(S10 OR S11)(5N)(APPLICATION OR APPLICATIONS)
S13	1	(S10 OR S11)(5N)(DOMAIN())(SERVICE OR SERVICES)
S14	8	(S10 OR S11)(5N)(FOUNDATION OR FOUNDATIONS)
S15	26	AU=(ACHAN, P? OR ACHAN P? OR PRADEEP(2N)ACHAN)
S16	3170	S2 AND (S4:S9)
S17	1	S16 AND (S12:S14)
S18	1	S2 AND (S12:S14)
S19	0	S18 NOT S17
S20	19768	S1 AND (S4:S9)
S21	6	S20 AND (S12:S14)
S22	3	RD (unique items)
S23	1	S15 AND S1

17/3,K/1 (Item 1 from file: 2)
 DIALOG(R)File 2: INSPEC
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09531876

Title: The study of the APIs design in the Internet

application to construct a database server

Author(s): Jong-Soo Kim 1; Tai-Suk Kim

Affiliation(s):

1. Visual Media Center, Dong-Eui Univ., South Korea

Book Title: Proceedings of 7th International Workshop on Enterprise Networking and Computing in Healthcare Industry. HEALTHCOM 2005 (IEEE Cat. No. 05EX1016)

Inclusive Page Numbers: 335-8

Publisher: IEEE, Piscataway, NJ

Country of Publication: USA

Publication Date: 2005

Conference Title: Proceedings of 7th International Workshop on Enterprise Networking and Computing in Healthcare Industry. HEALTHCOM 2005

Conference Date: 23-25 June 2005
Conference Location: Busan, South Korea
Conference Sponsor: IEEE Inje Univ. Busan Convention Bureau
Editor(s): Choi, H.K.
ISBN: 0-7803-8940-9
U.S. Copyright Clearance Center Code: 0 7803 8940 9/2005/\$20.00
Number of Pages: xiv+ 469
Language: English
Subfile(s): C (Computing & Control Engineering)
INSPEC Update Issue: 2005-032

Copyright: 2005, IEE

Title: The study of the APIs design in the Internet

application to construct a database server

Abstract: In the **hospital** MIS (

management information

system) where it uses the Internet infrastructure,

the implementation is possible with the various methods. Such

Applications are developed in the

multi-tiered architecture. A lot

of **applications** make the distributed process possible

and are made as the multi-tiered architecture to

develop the reusability of the existing

software module. In this case, there are many cases

for the server to be separated from the hardware or

software for the architecture of the server.

Especially, it is mostly general to separate for the case of a database

server to a new tier. One of the important points of

multi-tiered server side

applications is security and because of this, it is

difficult to share the related data about the design skill. In this

paper, through the analysis of...

...implement a business logic tier using database system among the server

side architectures. The main objective of this article is to show an

efficient APIs (**application** programming interfaces)

design method which can be used to manage the data that must be saved to

the database system among the packets that client...

Descriptors: **application** program interfaces; Internet;
management information systems; medical information systems

Identifiers: API design; Internet **application**; database
server; **hospital** MIS; **management**

information system; Internet

infrastructure; multitiered architecture; **software**

module; business logic tier; server side architecture;

application programming interface; client-server

system

International Patent Classification:

G06F-0011/36 (Preventing errors by testing or debugging of
software)

...

...G06F-0019/00 (Digital computing or data processing equipment or methods, specially adapted for specific **applications**)

22/3,K/1 (Item 1 from file: 73)
DIALOG(R)File 73: EMBASE
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0079614988 EMBASE/Medline No: 2003322875

A process for specifying integration for **multi-tier applications** in healthcare

Mykkanen J.; Porrasmaa J.; Rannanheimo J.; Korpela M.
Computing Centre, HIS Research and Development Unit, University of
Kuopio, POB 1627, Kuopio 70211, Finland
AUTHOR EMAIL: juha.mykkanen@uku.fi
CORRESP. AUTHOR/AFFIL: Mykkanen J.: Computing Centre, HIS Research and
Development Unit, University of Kuopio, POB 1627, Kuopio 70211, Finland
CORRESP. AUTHOR EMAIL: juha.mykkanen@uku.fi

International Journal of Medical Informatics (Int. J. Med. Informatics)
(Ireland) July 1, 2003, 70/2-3 (173-182)
CODEN: IJMIF ISSN: 1386-5056
DOI: 10.1016/S1386-5056(03)00058-3
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract
LANGUAGE: English SUMMARY LANGUAGE: English
NUMBER OF REFERENCES: 28

A process for specifying integration for **multi-tier applications** in healthcare

Integration of the heterogeneous **application** systems
in healthcare is needed to support the clinical and administrative work,
patient-centric care, regional interoperability and utilisation of both
valuable legacy systems and...

MEDICAL DESCRIPTORS:
* **health care**; * medical
information system
ORIG. DESCRIPTORS:

22/3,K/2 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC
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09531876
Title: The study of the APIs design in the Internet
application to construct a database server

Author(s): Jong-Soo Kim 1; Tai-Suk Kim

Affiliation(s):

1. Visual Media Center, Dong-Eui Univ., South Korea

Book Title: Proceedings of 7th International Workshop on Enterprise
Networking and Computing in Healthcare Industry. HEALTHCOM 2005 (IEEE
Cat. No. 05EX1016)

Inclusive Page Numbers: 335-8

Publisher: IEEE, Piscataway, NJ

Country of Publication: USA

Publication Date: 2005

Conference Title: Proceedings of 7th International Workshop on Enterprise
Networking and Computing in Healthcare Industry. HEALTHCOM 2005

Conference Date: 23-25 June 2005

Conference Location: Busan, South Korea

Conference Sponsor: IEEE Inje Univ. Busan Convention Bureau

Editor(s): Choi, H.K.

ISBN: 0-7803-8940-9

U.S. Copyright Clearance Center Code: 0 7803 8940 9/2005/\$20.00

Number of Pages: xiv+469

Language: English

Subfile(s): C (Computing & Control Engineering)

INSPEC Update Issue: 2005-032

Copyright: 2005, IEE

Title: The study of the APIs design in the Internet

application to construct a database server

Abstract: In the **hospital** MIS (management

information system) where it uses

the Internet infrastructure, the implementation is possible with the
various methods. Such **Applications** are developed in
the **multi-tiered** architecture. A

lot of **applications** make the distributed process
possible and are made as the multi-tiered architecture to
develop the reusability of the existing

software module. In this case, there are many cases
for the server to be separated from the hardware or
software for the architecture of the server.

Especially, it is mostly general to separate for the case of a database
server to a new tier. One of the important points of
multi-tiered server side

applications is security and because of this, it is
difficult to share the related data about the design skill. In this
paper, through the analysis of...

...implement a business logic tier using database system among the server
side architectures. The main objective of this article is to show an

efficient APIs (**application** programming interfaces)

design method which can be used to manage the data that must be saved to
the database system among the packets that client...

Descriptors: **application** program interfaces; Internet;

management information systems; medical information systems

Identifiers: API design; Internet **application**; database

server; **hospital** MIS; management **information system**; Internet infrastructure; multitiered architecture; **software** module; business logic tier; server side architecture; **application** programming interface; client-server system

International Patent Classification:
 G06F-0011/36 (Preventing errors by testing or debugging of **software**)

...

...G06F-0019/00 (Digital computing or data processing equipment or methods, specially adapted for specific **applications**)

YOUR CASE

22/3,K/3 (Item 1 from file: 350)
 DIALOG(R)File 350: Derwent WPIX
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0015306793 - Drawing available
 WPI ACC NO: 2005-656975/200567
 XRPX Acc No: N2005-538231
 Health care information **development** system for health care institution, has tiers each composed of **software component** and interacts with next tier, and higher tier providing programming interfaces for **development of software**
 Patent Assignee: ACHAN P P (ACHA-I)
 Inventor: ACHAN P P
 Patent Family (1 patents, 1 countries)
 Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20050203771	A1	20050915	US 2004799042	A	20040311	200567 B

Priority Applications (no., kind, date): US 2004799042 A 20040311

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
US 20050203771	A1	EN	34	16		

Health care information **development** system for health care institution, has tiers each composed of **software component** and interacts with next tier, and higher tier providing programming interfaces for **development of software**

Original Titles:

System and method to **develop health-care information systems**

Alerting Abstract ...NOVELTY - The system has a server with a health care **middleware** operating system (HMOS). The HMOS is designed as a **multi-tier** architecture with 3 tiers namely, **application** tier, domain service tier (100), and Foundations tier. Each tier is composed of **software components**, and interacts only with those in the next **tier**. A **higher tier** provide **application** programming interfaces (API) for **development of application software**. ...a method of **developing** health care **applications** a system for **communication** among various **software components** a **software application module** for **providing** side effects of **drugs** a **system** for providing security for health care information...

...ADVANTAGE - The system provides multiple tiers that are accurate and dependable updated **health care information** in real-time, resilient to changes in business and legal requirements, adaptable and extensible with organizational needs, while providing disaster recovery, with relative ease ...

...DESCRIPTION OF DRAWINGS - The drawing shows a high-level architecture of a health-care **middleware** operating system (HMOS).

Title Terms.../Index Terms/Additional Words: **DEVELOP**;
...

...**SOFTWARE**; **COMPONENT**;

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

A method of and a system for < B>development of **health care information Systems (HIS)** are disclosed . The method includes providing **software programming interfaces** for **development of application modules**, **communication** interfaces for

establishing communication between various modules, and resource management interfaces for allocation of resources such as memory.

The system comprises of a server with a health care

middleware operating system (HMOS).

The HMOS is designed as a **multi-**

tier architecture with **3**

tiers namely, **application** tier,

domain services

tier, and Foundations tier.

Claims:

1. A system for **development** of

information systems

for health care

comprising of a

server with a **middleware** operating

system stratified **as** multiple tiers, each tier composed

of **software components**, wherein

software components

in one tier

interact only with those in the next

tier and the **higher**

tiers provide **Application**

Programming Interfaces (API)

for development of

application software

for health care

information systems

while the lower

tiers provide functions of

storing, monitoring, communication, securing,

management, backup, and recovery of health care information that guarantees

Quality of Service (QoS) requirements of security, privacy, latency,

satisfaction of real...

23/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0015306793 - Drawing available

WPI ACC NO: 2005-656975/200567

XRFX Acc No: N2005-538231

Health care information development system for health care institution, has

tiers each composed of software component and interacts with next tier, and

higher tier providing programming interfaces for development of software

Patent Assignee: ACHAN P P (ACHA-I)

Inventor: **ACHAN** P P

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
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US 20050203771	A1	20050915	US 2004799042	A	20040311	200567 B
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Priority Applications (no., kind, date): US 2004799042 A 20040311

Patent Details
Number Kind Lan Pg Dwg Filing Notes
US 20050203771 A1 EN 34 16

Original Titles:
System and method to develop **health-care information systems**
Inventor: **ACHAN P P**

Alerting Abstract ...ADVANTAGE - The system provides multiple tiers that are accurate and dependable updated **health care information** in real-time, resilient to changes in business and legal requirements, adaptable and extensible with organizational needs, while providing disaster recovery, with relative ease...

Original Publication Data by Authority

Argentina

Assignee name & address:
Inventor name & address:
Achan, Pradeep Padmakshan...

Examiner:

Original Abstracts:

A method of and a system for development of **health care information Systems (HIS) are disclosed**. The method includes

providing software programming interfaces for development of application modules, communication interfaces for establishing communication between various modules, and resource management interfaces for allocation...

Claims:

1. A system for development of **information systems for health care comprising of**

a server with a middleware operating system stratified as multiple tiers, each tier composed of software components, wherein software components in one tier interact only with those in the next tier and the higher tiers provide Application Programming Interfaces (API) for development of application software for **health care information systems while the lower tiers** provide functions of storing, monitoring, communication, securing, management, backup, and recovery of health care information that guarantees Quality of Service (QoS) requirements of security, privacy...

Fulltext Files from Dialog

B. Fulltext Databases

File 9: Business & Industry(R) Jul/1994-2011/May 03
(c) 2011 Gale/Cengage

File 16: Gale Group PROMT(R) 1990-2011/Apr 29
(c) 2011 Gale/Cengage

File 20: Dialog Global Reporter 1997-2011/May 04
(c) 2011 Dialog

File 15: ABI/Inform(R) 1971-2011/May 03
(c) 2011 ProQuest Info&Learning

File 148: Gale Group Trade & Industry DB 1976-2011/May 03
(c) 2011 Gale/Cengage

File 160: Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 275: Gale Group Computer DB(TM) 1983-2011/Mar 14
(c) 2011 Gale/Cengage

File 610: Business Wire 1999-2011/May 04
(c) 2011 Business Wire.

File 613: PR Newswire 1999-2011/May 04
(c) 2011 PR Newswire Association Inc

File 621: Gale Group New Prod.Annou.(R) 1985-2011/Mar 03
(c) 2011 Gale/Cengage

File 636: Gale Group Newsletter DB(TM) 1987-2011/May 03
(c) 2011 Gale/Cengage

File 624: McGraw-Hill Publications 1985-2011/May 03
(c) 2011 McGraw-Hill Co. Inc

File 634: San Jose Mercury Jun 1985-2011/May 03
(c) 2011 San Jose Mercury News

File 810: Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813: PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 324: GERMAN PATENTS FULLTEXT 1967-201117
(c) 2011 UNIVENTIO/THOMSON

File 348: EUROPEAN PATENTS 1978-201117
(c) 2011 European Patent Office

File 349: PCT FULLTEXT 1979-2011/UB= 20110428|UT= 20110421
(c) 2011 WIPO/Thomson

File 149: TGG Health&Wellness DB(SM) 1976-2011/Apr W4
(c) 2011 Gale/Cengage

File 444: New England Journal of Med. 1985-2011/Apr W4
(c) 2011 Mass. Med. Soc.

Set	Items	Description
S1	68703	(HEALTHCARE OR HEALTH()CARE OR HOSPITAL OR HOSPITALS)(5N)(- INFORMATION())(SYSTEM OR SYSTEMS))
S2	10278	S1(5N)(MANAGEMENT OR MANAGE OR MANAGES OR MANAGING)
S3	6030	MIDDLEWARE(5N)(DEVELOP OR DEVELOPS OR DEVELOPING)
S4	2178674	S3 OR (INTERNET())PROTOCOL? ? OR IP)
S5	6252	S3 OR (SOFTWARE())PROGRAMMING()INTERFACE? ?)

S6 30367867 S3 OR (SOFTWARE OR APPLICATION OR APPLICATIONS OR COMPONENT OR COMPONENTS)
 S7 26200 S3 OR (APPLICATION? ?)(MODULE? ?)
 S8 222844 S3 OR MIDDLEWARE
 S9 35077109 S3 OR (DEVELOP OR DEVELOPS OR DEVELOPING OR DEVELOPMENT)
 S10 72484 (MULTI OR MULTIPLE OR MANY OR NUMEROUS OR SEVERAL)()(TIER - OR TIERS OR TIERED)
 S11 42600 (HIGHER OR LOWER)(5N)(TIER OR TIERS OR TIERED)
 S12 9620 (S10 OR S11)(5N)(APPLICATION OR APPLICATIONS)
 S13 10 (S10 OR S11)(5N)(DOMAIN() (SERVICE OR SERVICES))
 S14 142 (S10 OR S11)(5N)(FOUNDATION OR FOUNDATIONS)
 S15 0 AU= (ACHAN, P? OR ACHAN P? OR PRADEEP(2N)ACHAN)
 S16 3300 S2(S)(S4:S9)
 S17 0 S16(S)(S12:S14)
 S18 28162 S1(S)(S4:S9)
 S19 0 S18(S)(S12:S14)
 S20 41 S18(S)(S10:S11)
 S21 16 RD (unique items)
 S22 16 S21 NOT PY>2004

22/3,K/1 (Item 1 from file: 9)
 DIALOG(R)File 9: Business & Industry(R)
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01472278 Supplier Number: 23758413 (USE FORMAT 7 OR 9 FOR FULLTEXT)
 HEALTHCARE INFORMATION SYSTEMS - CLINICAL REPOSITORY SYSTEMS
 (The market for clinical repository systems is in an early stage, with a significant number of vendors currently offering or developing competitive versions of the systems)
 Medical & Healthcare Marketplace Guide, p N/A
 January 1997
 DOCUMENT TYPE: Journal; Industry Overview (United States)
 LANGUAGE: English RECORD TYPE: Fulltext
 WORD COUNT: 688

ABSTRACT:

...responsiveness to competitive and regulatory changes in the healthcare market. The development of CPR systems has been enabled by advances in information technology such as **multi-tiered** client-server architectures, relational database management systems, data warehousing, object-oriented design and standard query language. The market for clinical repository systems is in an...

...currently offering or developing competitive versions of clinical repository systems. These vendors include not only existing clinical information systems suppliers, but other vendors throughout the **healthcare information systems** industry, such as suppliers of practice management systems.

22/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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09761356 Supplier Number: 85499651 (USE FORMAT 7 FOR FULLTEXT)
Algotec Introduces Imaginet Lite PACS for Low-Volume Imaging Facilities at
SCAR; Innovative Turnkey Solution offers Advanced Function at Affordable
Price.

Business Wire, p2756

May 7, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 804

... image and data access and display engine, MediStore - a multi
media, multi tier archiving system, MediFlow - image management software,
MediLink - a configurable interface to other **hospital**
information systems such as
healthcare information
systems (HIS), Med-e-Mail - an automatic email reporting
system of key images and reports to referring physicians, and CD-Surf - a
self playing, soft copy...

22/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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09387533 Supplier Number: 82268707 (USE FORMAT 7 FOR FULLTEXT)
Algotec Debuts Revolutionary Web-Based Primary Reading Station; MediSurf
Version 4 Introduced at HIMSS.

Business Wire, p2747

Jan 28, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 447

... based image and data access and display engine, MediStore - a multi
media, multi tier archiving system, MediFlow - image management software,
MediLink - a configurable interface to **healthcare**
information systems, Med-e-Mail - an
automatic email reporting system of key images and reports to referring
physicians, and CD-Surf - a self playing, soft copy (CD...

22/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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09226503 Supplier Number: 80304576 (USE FORMAT 7 FOR FULLTEXT)
Algotec Debuts Web Tools, Focuses on Communications Beyond the Enterprise
at RSNA.
Business Wire, p2487
Nov 26, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 607

... based image and data access and display engine, MediStore - a multi
media, multi tier archiving system, MediFlow - image management software,
MediLink - a configurable interface to **healthcare**
information systems, Med-e-Mail - an
automatic email reporting system of key images and reports to referring
physicians, and CD-Surf - a self playing, soft copy (CD...

22/3,K/5 (Item 4 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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08074870 Supplier Number: 67370752 (USE FORMAT 7 FOR FULLTEXT)
Antelope Valley Hospital Chooses Algotec for Full PACS Installation; Major
Los Angeles County Hospital has History of Technological Innovation.
Business Wire, p2088
Nov 28, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 554

... based image and data access and display engine, MediStore - a multi
media, multi tier archiving system, MediFlow - image management software,
MediLink - a configurable interface to **healthcare**
information systems, Med-e-Mail - an
automatic email reporting system of key images and reports to referring
physicians and CD-Surf - a self playing, soft copy (CD...

22/3,K/6 (Item 5 from file: 16)
DIALOG(R)File 16: Gale Group PROMT(R)
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06384022 Supplier Number: 54782898 (USE FORMAT 7 FOR FULLTEXT)
University Hospital Selects MicroMed for Enterprisewide Physician Network.
Business Wire, p0082
June 3, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 668

... Systems. "Our distributed system is a highly scalable, true 32-bit, multi-tier system built from the ground up as an enterprise solution. Our sophisticated **applications** will enable University Hospital to operate efficiently and share information effectively throughout the organization."

Greg Flynn, executive vice president of Quality Systems, said: "This agreement...

22/3,K/7 (Item 1 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
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26359826 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Algotec Debuts Advanced Web-Based PACS Tools, 3D Post-Processing at RSNA;
Information Integration Drives Workflow and Innovation
BUSINESS WIRE
December 02, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 581

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Web-based image and data access and display engine; MediStore, multi-media, multi-tier archiving system; MediFlow, image management software; MediLink, configurable interface to other **hospital information systems** such as **healthcare information systems (HIS)**; **Med-e-Mail, automatic e-mail reporting system of key images and reports to referring physicians; and CD-Surf, self-playing, soft copy (CD...**

22/3,K/8 (Item 2 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
(c) 2011 Dialog. All rights reserved.

25276400 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Misys Healthcare Systems Announces Major Agreement with the North Western
Health Board
BUSINESS WIRE
October 02, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 813

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Systems products, including Misys Laboratory and CoPathPlus from Misys. Misys Ad Hoc Report Writer delivers business intelligence with sophisticated enterprise reporting built on a scalable, **multi-tier** architecture. Users can access information from virtually any source, analyze the data through intuitive ad hoc query and multi-dimensional tools, and then distribute the
...

... and enviable employee retention rate. About Misys Healthcare Systems
Misys Healthcare Systems is a division of Misys plc -- one of the world's largest independent **applications software** products company. Misys Healthcare Systems is among the top five healthcare IT companies in the United States. The company designs, **develops** , and supports a comprehensive suite of information products for hospitals, commercial laboratories, physician practices and home care providers that serve the healthcare IT industry's
...

... s products and services. For more information, visit www.misyshealthcare.com . About Misys plc Misys plc is one of the world's leading suppliers of **software** products. Misys **develops** and licenses a variety of **software** products to customers in the international banking and securities, US healthcare, and UK retail financial services sectors. The group partners with its customers to deliver...

22/3,K/9 (Item 3 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
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23044822 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Delta Diagnostics Selects Algotec for Teleradiology and Remote Image Communications; Advanced Technology at Affordable Price Benefits Independent Practice Group

BUSINESS WIRE

May 28, 2002

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 638

... image and data access and display engine, MediStore -- a multi media, multi tier archiving system, MediFlow -- image management software, MediLink -- a configurable interface to other **hospital information systems** such as **healthcare information systems** (HIS), Med-e-Mail -- an automatic email reporting system of key images and reports to referring physicians, and CD-Surf -- a self playing, soft copy...

22/3,K/10 (Item 4 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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23044253 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Mission Hospital Selects Sigaba to Facilitate HIPAA Data Security Compliance

BUSINESS WIRE

May 28, 2002

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 635

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... enables an organization to send secure statements and documents to virtually anyone, without knowing the recipients' computing environment or requiring them to install any special **software**. Sigaba takes its name from the SIGABA encryption machine, used by the U.S. during and after World War II. It was the only device...

22/3,K/11 (Item 1 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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14942656 SUPPLIER NUMBER: 91070979 (USE FORMAT 7 OR 9 FOR FULL TEXT)

University of Virginia Health Science Center Taps Algotec for Major

Enterprise-Wide PACS; Demonstrates Greater Scalability and Reliability
than Major Vendors.

Business Wire, 0030

Sept 5, 2002

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 879 LINE COUNT: 00076

... based image and data access and display engine, MediStore - a multi
media, multi tier archiving system, MediFlow - image management software,
MediLink - a configurable interface to **healthcare**
information systems, Med-e-Mail - an
automatic email reporting

22/3,K/12 (Item 1 from file: 610)

DIALOG(R)File 610: Business Wire

(c) 2011 Business Wire. All rights reserved.

00567254 20010806218B7954 (USE FORMAT 7 FOR FULLTEXT)

Radiological Physician Associates Selects Algotec PACS For Ambitious

Installation Linking Over 15 Locations

Business Wire

Monday, August 6, 2001 07:32 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 741

...modality

processing workstation, MediPrime - a radiology reading and reporting
station,

MediSurf - a Web based image and data access and display engine, MediStore
- a

multi media, **multi tier** archiving

system, MediFlow - image management

software, MediLink - a configurable interface to

healthcare information

systems, Med-e-Mail - an automatic email reporting

system of key images and

reports to referring physicians, and CD-Surf - a self playing, soft copy

(CD...

22/3,K/13 (Item 1 from file: 613)
DIALOG(R)File 613: PR Newswire
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01046985 20031002NYTH100 (USE FORMAT 7 FOR FULLTEXT)
MedAbiliti Software, Inc. Announces MedAbiliti Distributed
PR Newswire
Thursday, October 2, 2003 11:21 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWswire
WORD COUNT: 750

TEXT:

Health care information technology
innovator, MedAbiliti **Software** Inc., today announced
MedAbiliti Distributed
Medical Record (MDMR). MedAbiliti's MDMR technology collects existing
medical
data from **health care**
information systems, converts that
data into XML, and
provides tools and a user interface to integrate the data and apply
security
and privacy policies to it, down...

...way for different systems to be able to communicate.

"Within the health care industry, XML is really very well established,"
says MedAbiliti Chairman and Chief **Software** Engineer,
Edward Meinert. "It is
becoming the universal way of representing data and is a very big part of
MDMR. Most standards organizations are in...

...you have, we'll make sure everything talks to everything else, so you
won't have to change your front ends. And this is a
multi-tiered approach, so
we can do it piece by piece over time, as you require and as your budget
allows."

Mr. Meinert summarized the way in...

...establish an open framework and add
privacy and security features to make the framework HIPAA-compliant.
Additionally, we focus on integration rather than a new
application, thereby
saving our customers money by allowing them to continue to realize value
from
their previous IT investments."

"Earlier efforts to create digital medical records...

...and start over with the new systems offered. MedAbiliti, in creating
its universally applicable distributed medical record technology, overcame
weaknesses and limitations that hindered past
applications. MDMR is a
revolutionary approach to creating and managing medical records, and in

22/3,K/14 (Item 2 from file: 613)

DIALOG(R)File 613: PR Newswire

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00992529 20030605LATH083 (USE FORMAT 7 FOR FULLTEXT)

Cerner, IBM: Validatn of IBM PACS Hardware on Cerner
PR Newswire

Thursday, June 5, 2003 17:38 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 644

TEXT:

Cerner Corporation and

IBM today announced another way they are working together to transform
health

care. Cerner's unified Radiology

Information System/Picture Archiving

Communications System (RIS/PACS) offering, RadNet(R) with Cerner

ProVision(TM), works seamlessly in conjunction with IBM hardware,

networking

and other on-demand...

...ProVision will enable

clinicians to have secure, real-time access at any time or place to medical
or

other diagnostic images. The validation of Cerner

applications such as Cerner

ProVision running on the latest IBM hardware solutions allows maximum cost
performance flexibility.

Cerner ProVision PACS, supported by IBM infrastructure, provides the
system service and reliability required for mission critical performance.

Multi-tiered storage options,

infinitely scalable redundant array of

independent disks (RAID), and the flexibility of deployment strategies,

including remote hosting, enable configurations that are tailored to...

...and containing health

care costs," added Russell Ricci, M.D., general manager of IBM Global

Healthcare Industry. "This PACS solution when integrated with other Cerner

applications and IBM services and hardware will help

health care providers

become more responsive to patient needs."

To experience Cerner radiology and imaging solutions first hand...

22/3,K/15 (Item 3 from file: 613)
DIALOG(R)File 613: PR Newswire
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00728765 20020306DAW008 (USE FORMAT 7 FOR FULLTEXT)
Healthcare IT Markets Attempt to Weather Downturn
PR Newswire
Wednesday, March 6, 2002 08:31 EST
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWswire
WORD COUNT: 494

TEXT:

...and Top 50 Profiles, reveals this industry avoided across-the-board declines in the technology market and generated \$6 billion in revenues from IT services, **software**, hardware, implementation, and consulting in 2001.

"Demand from large institutions for clinical **software**, clinical data repository products, electronic medical record keeping **applications**, and other **software** tools should sustain the industry in the short term," says Frost & Sullivan Senior Industry Analyst Amith Viswanathan.

Meanwhile, physician practices automation products and services segments...

...also relatively stable, with almost all participants maintaining their market position in relation to the previous year."

The same cannot be said for middle- and **lower-tier** firms, who are expected to struggle for financial survival in a field marked by slackening venture capital interest, competitive saturation, and narrowing product margins. The...

...Corp.; Keane, Inc.; Lanier Healthcare; Medic Computer Systems, Inc.; MEDITECH, Inc.; NDCHealth; PeopleSoft, Inc.; Per-Se Technologies, Inc.; TriZetto Group, Inc.; TRW, Inc.; 3M Health **Information Systems**; Allscripts **Healthcare** Solutions, Inc.; HealthExtras, Inc.; Integic Corp.; Kronos, Inc.; Lawson **Software**; Omnicell, Inc.; Quadramed Corp.; Sunquest Information Systems, Inc.; VitalWorks, Inc.; eBenX, Inc.; Healthaxis, Inc.; Healthlink; IMPAC Medical Systems, Inc.; Medicalogic; NextGen/QSI; ProxyMed, Inc.; Quovadx, Inc.; ViPS, Inc.; Cedara **Software** Corp.; Data Critical/GE Medical Systems; Healthcare Management Systems, Inc.; Med Diversified; Mediware

Information Systems, Inc.; Neoforma, Inc.; SeeBeyond Technologies Corp.; Solucient; and VantageMed Corp.

Frost & Sullivan is a global leader in strategic market consulting and training. This ongoing research is part of the

Healthcare Information

Systems

Subscription. Frost & Sullivan also offers custom consulting to a variety of national and international companies. Interviews are available to the press.

Healthcare IT in 2001...

22/3,K/16 (Item 1 from file: 636)
DIALOG(R)File 636: Gale Group Newsletter DB(TM)
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05290167 Supplier Number: 87346990 (USE FORMAT 7 FOR FULLTEXT)
DELTA SELECTS ALGOTEC FOR REMOTE IMAGE COMMUNICATIONS.
Imaging Update, v13, n7, pNA
July 1, 2002
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 657

... modality processing workstation, MediPrime -- a radiology reading and reporting station, MediSurf -- a Web based image and data access and display engine, MediStore -- a multi media, **multi tier** archiving system, MediFlow -- image management **software**, MediLink -- a configurable interface to other **hospital information systems** such as **healthcare information systems** (HIS), Med-e-Mail -- an automatic email reporting system of key images and reports to referring physicians, and CD-Surf -- a self playing, soft copy...

IV. Additional Resources Searched

0 results